

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/009075

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	H01B1/20	H01B1/22	H01B1/24	C08L23/08	C08L23/10
	C08L67/00	C08L69/00	C08K3/04	C08K3/00	C08K3/10
	C08K7/06				

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01B C08L C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 455 771 B1 (LEE WEI-KUO ET AL) 24 September 2002 (2002-09-24) claims; examples	4-15, 17-21
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 10, 10 October 2002 (2002-10-10) & JP 2002 179854 A (DU PONT MITSUI POLYCHEM CO LTD), 26 June 2002 (2002-06-26) abstract	4-15, 17-21
X	US 6 274 066 B1 (EASTER MARK R) 14 August 2001 (2001-08-14) claims; examples	4-15, 17-21
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

9 August 2004

Date of mailing of the international search report

19/08/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 232 376 B1 (ISHIHARA KOJI ET AL) 15 May 2001 (2001-05-15) claim 6; examples -----	4-15, 17-21
X	EP 1 052 654 A (UNION CARBIDE CHEM PLASTIC) 15 November 2000 (2000-11-15) claims; tables -----	4-15, 17-21
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23, 10 February 2001 (2001-02-10) & JP 2001 167634 A (NIPPON UNICAR CO LTD), 22 June 2001 (2001-06-22) abstract -----	4-15, 17-21
X	US 2002/032258 A1 (ISHIHARA KOJI ET AL) 14 March 2002 (2002-03-14) claims; examples -----	4-15, 17-21
X	EP 0 858 081 A (MITSUBISHI CHEM CORP) 12 August 1998 (1998-08-12) claims; examples -----	4-15, 17-21
X	EP 0 334 993 A (HITACHI CABLE) 4 October 1989 (1989-10-04) claims; examples -----	4-15, 17-21

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**Continuation of Box II.2**

Present claims 1-3, 16 relate to an extremely large number of possible compositions/processes. In fact, the claims contain so many options, variables, possible permutations and provisos that a lack of clarity (and conciseness) within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear (and concise).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6455771	B1	24-09-2002	CA 2436127 A1 EP 1366498 A2 WO 02073630 A2	19-09-2002 03-12-2003 19-09-2002
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